A Faculty Development Program
on
AI & Machine Learning for Computer Vision Applications

18th Dec - 22nd Dec , 2023

under the aegis of

eict IIT Roorkee

GITAM Deemed to be University

Electronics & ICT Academy
IIT Roorkee

Supported by

Ministry of Electronics & Information Technology
Government of India

सत्यमेव जयते

Experts from Academia/Industry

Expert Lecture From IIT Roorkee

Principal Investigator

Prof. Sanjeev Manhas, E&ICT Academy , IIT Roorkeee

Course Coordinators

Dr. K. Yogeswara Rao
Associate Professor
&
Prof. R Sireesha
Head of the Department, CSE Dept.
GITAM (Deemed to be University)

Online Mode: GITAM (Deemed to be University) Vishakhapatnam , A.P

Why this course ?

The FDP will help to disseminate knowledge in the domain of computer vision, ML, and Deep learning. It empowers the participants to understand how AI/ML and data science can be used to innovate and improve the business process. AI techniques are widely used for many applications such as Biometrics, Medical Imaging Processing, Natural Language Processing, and so on. This course will give the basics of AI concepts with applications to computer vision.

Objectives of the course

- To provide a forum to exchange views, ideas, and principles in the field of AI, ML, and CV.
- To present learning on Deep Learning applications in biometric detection and biomedical imaging.
- To promote and facilitate interdisciplinary research endeavors, and partnerships among faculty members specializing in the domains of AI, ML, and CV.
- To facilitate the effective integration of AI, and computer vision concepts into participants' teaching curricula.

Course Features

- 35+ Hours of Lectures & hands-on
- Lectures from Expert Speakers, Hands-on from industry/Academia experts
- Expert talks from the industry/Academia
- Access to learning material and video lectures
- Certificate by E&ICT Academy IIT Roorkee

Focus Areas

- Introduction to AI, Machine Learning, and its applications.
- Mathematical foundation for Machine learning.
- CNN Architectures for CV implementation.
- Object Detection/Tracking Yolo, RCNN, and FRCNN
- Basics of Tensor Flow/Keras/PyTorch
- Deep Learning Regularization Techniques
- Case Studies on the use cases based on the mentioned topics.

Prerequisites

- No experience is required, but fundamental knowledge of any programming language would be helpful

Registration Link

https://forms.gle/qF5LhYXCChkL8S608

Registration Fee

Fees: ₹ 500/participant, non-refundable
(Applicable for all)

Note: Refund will be done in case of course cancellation only, within 20 working days

How to make payment

https://eict.iitr.ac.in/instruction-for-payment/

Conference Code: EICTIITR-FDP-23-15

Course Coordinators

- Prof. Sanjeev Manhas, ECE Department, IIT Roorkee
- Dr. K. Yogeswara Rao, Associate Professor, CSE Department,GITAM School of Technology
- Prof. R Sireesha, Head of the CSE Department, GITAM School of Technology

Reach Us:

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